



Vacancy Number: ID-09-11
Department: Department of Energy
Agency: Idaho Operations Office
Sub Agency: DM for Idaho Cleanup Project
 Various Organizations

General Engineer / Physical Scientist (Facility Representative) - AMENDED

Series / Pay Grade:	GS-801-13 GS-1301-13	Employment Type:	Career/Career-Conditional/Full-Time
Salary Range (per yr):	80,402 – 104,525	Number of Vacancies:	More than one position may be filled
Promotion Potential:	GS-13	Opening Date:	4/21/09
Organization Location:	Idaho Falls, ID	Closing Date:	5/20/09
Duty Location:	Scoville, ID	Relocation:	Subject to availability of funds
Who May Apply:	Applications will be accepted from US Citizens; current or former Federal employees with competitive status; Veterans who are preference eligible or who have been separated from the Armed Forces under honorable conditions after three years or more of continuous service may apply under the provisions of the Veterans Employment Opportunities Act of 1998		

Note: If you are a current or former federal employee, you must clearly indicate on your application that you want to be considered as a Delegated Examining (DE) candidate; otherwise you will only be considered under Merit Promotion procedures. All other candidates will be considered under all hiring authorities for which they are eligible.

OUR MISSION: We oversee the Idaho National Laboratory (INL), which is the Department of Energy lead laboratory for such initiatives as the Global Nuclear Energy Partnership nuclear energy systems, proliferation resistant fuel cycle technology and other research, development and demonstrations of nuclear energy technology. Our main customer is the Office of Environmental Management (EM), which is responsible for the safe, cost-effective and expeditious accomplishment of environmental remediation and restoration and hazardous and nuclear waste programs involving high level radioactive waste, low level and Transuranic radioactive waste, spent nuclear fuel, contaminated buildings and sites and special nuclear material.

ABOUT THE AREA: We are located in Southeast Idaho and the surrounding area is an outdoor paradise. Winter activities include down hill and cross-country skiing, snowshoeing, and snowmobiling. The surrounding mountains are a haven for hiking, camping, mountain biking, dirt biking, and horseback riding. Mountain and rock climbing includes the 14,000-ft Grand Teton and several other 12,000-ft peaks. Water sports include river rafting and canoeing and the area is famous for its fly-fishing and hunting opportunities. Family and youth oriented sports abound and a round of golf can be played for \$20 for 18 holes. The area has an active and building arts council as well as symphony and theater groups. New housing is readily available with an average house price of \$180,000 in Idaho Falls. Educational opportunities are available at University Place. Our flexible office hours are family friendly and we encourage and subsidize exercise facility memberships.

Job Summary

Facility Representatives (FRs) are line management's on-site technical representative with responsibility for identifying and evaluating environmental, safety and health issues and concerns, diagnosing root causes; ensuring the adequacy of communication between the facility contractor and DOE management; and recommending both short term compensatory measures and ultimate solution to DOE site management. The FR is technically knowledgeable in all areas of assigned facility operations, and is capable of identifying issues and deficiencies that require highly specialized expertise from other DOE support organizations. As line management's technical presence, the FR makes informed judgments needing a thorough technical competence regarding safety of operations.

Duties

Major Duties:

- Conduct daily on-site performance-based evaluations of facilities and operations from the standpoint of public/personal health and safety, industrial and nuclear safety, environmental protection, facility modification and maintenance, formality of operations and management.

- Review and evaluate adherence to safety, and operating and maintenance practices, through observation of work being performed, discussions with the contractor's staff, inspection of equipment, and review of operations, maintenance, safety, and QA records.
- Oversee shift turnover to ensure continuity of operations, between outgoing and incoming shifts, are sufficient to maintain safe, continuous operation of the facility without compromise due to inadequate communication between shifts.
- Advise senior DOE officials and represent the DOE Contracting Officer or /Contracting Officer's Representative of activities and actions that warrant prompt attention (e.g. corrective actions, special reviews, and investigations), with recommendations as to solutions of critical problems, and possible follow up action.
- Serve as the initial single point of contact between the contractor and DOE for all event notification and is available to respond to the facility (s) around the clock, which may involve on-call and overtime work.
- Conduct formal and informal appraisals of the contractor organizations and of their performance in areas of responsibility in accordance with the contract requirements, and prepare reports of these appraisals.
- Independently or as a member of a team, participate in the investigation and review of events or conditions having facility operations or environmental, safety and health considerations.
- Prepare reports and deliver oral and written presentations and defends findings and recommendations.
- Perform follow-up reviews to assure that corrective actions have been carried out and are effective.

KEY REQUIREMENTS:

- Knowledge of advanced concepts, theories, principles, and practices of engineering (e.g., environmental, (nuclear), chemical, construction, mechanical, electrical, electronic, industrial, safety, and fire protection) or related physical science fields (e.g., chemistry, physics, health physics, metallurgy), as well as integrated safety management, quality assurance, and physical security.
- Knowledge of DOE policies, orders, manuals, Federal, State, and local requirements, sufficient to ascertain contractor compliance in all areas of ES&H.
- The employee must be able to interact successfully with all levels of contractor and DOE management.

JOB PREVIEW: Preview the [ID@Work](#) video featuring work performed by a DOE-ID Facility Representative.

Qualifications and Evaluation

QUALIFICATION REQUIREMENTS:

All applicants must have at least one year of specialized experience equivalent to the next lower grade in the Federal service. This experience should be in or directly related to the line of work of the position to be filled, equipping you knowledge, skills and abilities (KSAs) to successfully perform the duties of the position. You must have specific experience or education as stated in the [OPM Qualification Standards Handbook for General Schedule Positions](#) which is available for review in any Federal Personnel Office. A combination of education and experience may qualify you for this position. Time-in-grade provisions apply for status candidates.

BASIC REQUIREMENTS: General Engineer, GS-801

A. Degree - Professional Engineering: To be acceptable, the curriculum must:

- (1) Be in a school of engineering with at least one curriculum accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum;

OR

- (2) Include differential and integral calculus and courses (more advanced than first year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics;

OR

- B. Combination of education and experience - college-level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering.

BASIC REQUIREMENTS: Physical Scientist, GS-1301

- A. Degree - physical science, engineering or mathematics that includes 24 semester hours in physical science and/or related engineering science such as mechanics, properties of materials, and electronics;

OR

- B. Combination of education and experience - at least 24 semester hours of courses equivalent to one of the majors as shown in A above, plus appropriate experience or additional education.

Specialized experience is defined as: Experience reviewing, monitoring, evaluating, identifying and implementing appropriate corrective actions for a wide variety of facilities and activities including nuclear, radiological and industrial ESH&QA compliance, maintenance, utility operations, safeguards and security, and quality performance programs. Technical and operational expertise must be evident showing the ability to identify problem areas, evaluate hazards, develop optimum cost-benefit corrective actions, and assure full and timely implementation to minimize risks to personnel and facilities.

REQUIRED KNOWLEDGE, SKILLS, & ABILITIES (KSAs):

If you meet the basic qualifications listed above, you will be rated and ranked on the knowledge, skills, abilities, and other characteristics required to perform the duties of this position. You **MUST** submit a separate written statement addressing each KSA for this job (listed below).

1. Demonstrated knowledge through pertinent field experience of the technical theories, principles and practices related to nuclear and/or non-nuclear facility operations, maintenance, and testing, including (but not limited to) knowledge of material processing, mechanical systems, electrical systems, instrumentation and control systems, and safety features sufficient for independent technical evaluations of all aspects of facility maintenance and operations, design, construction, and waste management. **This is a Critical Element and thus double weighted.**
2. Knowledge of laws, policies, procedures, and nuclear safety regulations (or equivalent NRC regulations) sufficient to oversee contractor or NRC licensee compliance in all areas with particular emphasis on (Conduct of Operations) for nuclear facility authorization bases. **This is a Critical Element and thus double weighted.**
3. Demonstrated ability to interact successfully with all levels of DOE and Management and Operating Contractor (M&O) management in a highly professional manner and as a member of an integrated facility team to effect facility and/or institutional resolution of issues and concerns in an efficient, timely and technically competent manner. Applicants should also show the ability to prepare and present effective oral and written presentations and defend positions/recommendations on technical and programmatic issues to audiences such as senior federal and contractor management, engineers, subject matter experts, stakeholders and the general public concerning technical program and facility operations. Applicants should also show the ability to constructively raise and resolve technical and programmatic issues with contractor and DOE personnel.
4. Demonstrated knowledge of laws and regulations and applicable industry standards (e.g. NEC, NFPA, ASME, ANSI, NRC, OSHA, EPA, DOT, Idaho HWMA) and their implementation, relating to occupational safety and health, environmental compliance, nuclear safety and industry standards applicable to conduct of operations, maintenance, waste management safety analysis and research and development sufficient to ascertain contractor compliance in all areas.
5. Demonstrated knowledge of principles and practices of quality assurance, technical auditing, assessment or surveillance, and of work planning and tracking. Applicants should demonstrate the ability to analyze performance trends, examine records and activities to determine strengths and weaknesses in contractor performance.

When responding to the KSAs remember to:

- Include details on what you did and when, what you accomplished or gained from the experience, and the name and phone number of a person who can verify the information provided.
 - Consider what in your background indicates you possess each knowledge, skill, or ability (KSA) and provide clear, concise examples for each element.
 - Relate your experience to the position for which you are applying using examples that show the depth of knowledge, level, or skill, or degree of ability you have.
 - Refer to paid or volunteer work, education or training, hobbies, or any other applicable experience.
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HOW YOU WILL BE EVALUATED

Your basic qualifications will be evaluated based on materials provided in your application. Once it has been determined that you meet the basic qualifications of this position, a panel of subject matter experts will review your application materials, including your resume/application; transcripts (if applicable); and your responses to the Knowledge, Skills, and Abilities (KSAs) listed above. You will be rated and ranked and the most highly qualified candidates will be referred to the hiring manager for further consideration and possible interview.

Benefits and Other Information:

BENEFITS:

The Federal Government offers a number of exceptional benefits that are unmatched by most other organizations. As a Federal employee, you will be eligible for:

- Health benefits from your choice of a wide variety of providers
- Long-term care insurance
- Generous sick and annual leave accruals with 10 paid holidays
- A family-friendly work environment
- Flexible spending options
- Comprehensive retirement plan.

The following link provides an overview of the benefits currently offered to Federal employees: [Benefits of Working for the Federal Government](#)

OTHER INFORMATION:

For those claiming special eligibility, use the following links for more information:

- [Veteran's Preference](#)

Generally, preference is granted to veterans who entered the military service prior to October 14, 1976; or served on active duty during the period from August 2, 1990, through January 2, 1992, and who are otherwise eligible; or who served on active duty during the period beginning September 11, 2001, and ending on the last day of Operation Iraqi Freedom; or who have served in a military action for which they received a Campaign Badge or Expeditionary Medal. Also, you may be entitled to veterans' preference if you are a disabled veteran; you have received a Purple Heart; you are the spouse or mother of a disabled veteran; or you are the widow, widower, or mother of a deceased veteran. Applicants will be required to provide proof prior to appointment to validate their claim for preference.

- [Career or Career-Conditional Status or Reinstatement Eligibility](#)
- [Interagency Career Transition Assistance Program \(ICTAP\) / Career Transition Assistance Program \(CTAP\)](#)

If you are a Federal employee claiming special priority selection rights under DOE's Career Transition Assistance Program (CTAP) or your Agency's Interagency Career Transition Assistance Program (ICTAP), you must be "well qualified" for the position to receive priority consideration. "Well qualified" applicants must receive a minimum score of

80 points during the evaluation process. You must also submit proof that you meet the requirements of 5CFR 330.605 (a) for CTAP and 5 CFR 330.704 for ICTAP. This includes a copy of your agency's notice, a copy of your most recent Performance Rating and a copy of your most recent SF-50, Notification of Personnel Action, noting current position, grade level, and the duty location. Please annotate your application to reflect that you are applying as a CTAP or ICTAP eligible.

You must submit all required information by 4:30 pm (MST) on the closing date. If materials are not received, your application will be evaluated solely on the information available and you may not receive full consideration or may not be considered eligible.

The materials you send with your application will not be returned or retrieved to be used in future vacancy announcement applications. Send only those materials needed to evaluate your application. Please do not place your application in a notebook or binder.

PCS/Relocation authorization will be based on availability of funds.

CONDITIONS OF EMPLOYMENT

Scoville, Idaho Duty Station: The duty station will be Scoville, Idaho located about 50 miles west of Idaho Falls, Idaho. This means that the selectee's office will be located on the Idaho National Laboratory (INL) Site, and he/she will be expected to work each day at the INL Site. Site employees have the option of receiving bus transportation to and from the site (a yearly pass is provided) at no charge to the employee or the cash equivalent. Except for "call out" situations, travel from home to the site and back is done on the employee's time.

Security Clearance: An 'L' security clearance or the ability to obtain an L clearance is required by the position.

Drug Screening: This position requires a security clearance and is subject to drug testing. The selectee must test negative prior to being appointed to this position and will be subject to random testing thereafter. Failure to pass subsequent tests could result in disciplinary action, up to and including removal from the Federal service.

Medical/Dosimeter/Physical and Work Environment Requirements: The duties require the ability to perform moderate physical work in both indoor and outdoor locations, involving rough or uneven walking surfaces, negotiating snow and ice accumulation, climbing stairs, working in confined or restricted spaces, working in areas of elevated background noise, working in radioactively controlled areas with potential for exposure to radiation exposure and radioactive material. The duties may also require the incumbent(s) to wear a multi-purpose dosimeter and a respirator, necessitating mandatory completion of an annual medical physical examination.

Technical Qualifications Program Requirements: Satisfactory completion of the training/qualification requirements as outlined in the DOE Technical Qualification Program (TQP) in the following areas may be required:

- General Technical Base Qualification (GTB) Card;
- Facility Representative Functional Area Qualification Standards and, if applicable, Secondary Functional Area Qualification Standard;
- Office/Facility Specific Qualification Standards, if appropriate.

Upon selection, the individual will be required to complete the following documents and/or be subject to the following conditions of employment, applicable if checked:

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| <input checked="" type="checkbox"/> Report of Financial Disclosure | <input checked="" type="checkbox"/> Wearing a multi-purpose dosimeter |
| <input checked="" type="checkbox"/> One-year probationary/trial period | <input type="checkbox"/> One-year supervisory/managerial probationary period |
| <input checked="" type="checkbox"/> Agreement concerning inventions, discoveries and patents | <input checked="" type="checkbox"/> Obtaining an appropriate DOE security Clearance. L clearance is required |
| <input checked="" type="checkbox"/> Technical Qualification Program | <input checked="" type="checkbox"/> Collective Bargaining Unit represented by International Federation of Professional and Technical Engineers, Local 94 |
| <input checked="" type="checkbox"/> Optional Form 306, Declaration for Federal Employment | <input checked="" type="checkbox"/> ES&H Blue Card training |
| <input checked="" type="checkbox"/> GERT training/Rad Worker I & II | <input checked="" type="checkbox"/> 24 hour OSHA HAZWOPER training plus 8-hour field-supervised training |
| <input checked="" type="checkbox"/> Access training | <input checked="" type="checkbox"/> Occasional travel |
| <input checked="" type="checkbox"/> Direct Deposit | |

How to Apply:

A complete application consists of all forms and information required and/or information you want considered in the evaluation of your application. No standard application form is required. You may use your own form, Optional Form 612, Standard Form 171, a resume or other written format, provided all of the required information is provided. **Use the following as a checklist to ensure your application is complete:**

- ☐ The announcement number, title, and grade(s) of the job for which you are applying;
- ☐ Your full name, mailing address with zip code, and day and evening phone numbers with area codes;
- ☐ Your social security number and your country of citizenship (under Executive Order 11935, only United States citizens and nationals may compete for civil service jobs);
- ☐ Name, address, city and state of the high school you attended, and the date of your diploma/GED;
- ☐ The name, address, city, and state of each college/university you attended, your majors at each, the total credits earned at each (indicate whether they were semester or quarter hours), and the type/year of any degrees received and your GPA;
- ☐ College transcripts **must be submitted** (copies are acceptable)
- ☐ Information on your paid and nonpaid work experience related to the job you are applying for including: job title (include series and grade if Federal job); duties and accomplishments; employer's name and address; supervisor's name and phone number; starting and ending dates (month and year); hours per week; the salary you received when you began the job and the salary you received when you ended the job. Indicate if we may contact your current supervisor;
- ☐ Narrative statement on a separate page(s) with specific responses to the KSAs (failure to submit your narrative response to the KSAs may negatively affect your eligibility and/or rating);
- ☐ List current job-related training courses (title and year); job-related skills; and job-related honors, awards and special accomplishments, for example, publications, memberships in professional or honor societies, leadership activities, public speaking, and performance awards (give dates but do not send documents);
- ☐ Current copy of related licenses and professional certifications (e.g., Certified Public Accountant).
- ☐ If you are a current or former Federal employee, submit your most recent SF-50 reflecting competitive status; current/last series, grade & step.
- ☐ DD-214 if claiming 5 point veteran's preference
- ☐ Both DD-214 and SF-15 with supporting documentation if claiming 10 point veteran's preference

**NOTE: Failure to submit required information/documents will result in nonconsideration
OR a lower rating in the evaluation process**

Any application packages or related information submitted after the filing period will not be accepted, and extensions of time to submit applications or additional information will not be granted. In addition, application materials and supporting documentation will remain a part of the specific vacancy announcement file and will not be returned or retrieved to be used in future vacancy announcement applications.

**Submit Application/Resume
Materials to:**

U. S. Department of Energy
Idaho Operations Office
1955 Fremont Avenue, MS#1240
Idaho Falls, ID 83415-1240

For more information, contact:

Nancy Sims, (208) 526-4160, or
simnsnk@id.doe.gov

Or to our e-mail address:

doeidjobs@id.doe.gov

To view DOE-Idaho's other

Vacancy announcements, visit:

www.usajobs.opm.gov

Reasonable Accommodation may be granted to applicants with disabilities on a case-by-case basis. Please notify the agency if you need a reasonable accommodation for any part of the application or hiring process.

TO BE CONSIDERED, ALL APPLICATION MATERIALS FOR THIS VACANCY ANNOUNCEMENT MUST BE COMPLETE AND RECEIVED IN THIS OFFICE BY CLOSE OF BUSINESS ON THE CLOSING DATE OF THIS ANNOUNCEMENT.

THE DEPARTMENT OF ENERGY IS AN EQUAL OPPORTUNITY EMPLOYER

PERSONS WITH DISABILITIES, DISABLED VETERANS, WOMEN, AND MINORITIES ARE ENCOURAGED TO APPLY